

CLAIMS

1. A computer protocol for provisioning services, comprising:

discovery transactions that allow a client device to retrieve information regarding services available to the client device from a provisioning server, wherein a service
5 comprises a plurality of content files capable of being installed on the client device.

subscription transactions that allow the client device to manage content in service directories, wherein a service directory comprises a plurality of services; and

delivery transactions that allow the client device to download data related to services.

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2. A computer protocol as recited in claim 1, wherein the discovery transactions includes a service discovery transaction that allows the client device to obtain information regarding a particular service.

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3. A computer protocol as recited in claim 2, wherein the discovery transactions include a service directory discovery transaction that allows the client device to obtain information regarding a particular service directory.

4. A computer protocol as recited in claim 1, wherein the subscription transactions include a service subscription transaction that allows a service to be added to a service directory.

5 5. A computer protocol as recited in claim 4, wherein the subscription transactions include an unsubscribe transaction that allows a service to be removed from a service directory.

6. A computer protocol as recited in claim 1, wherein the delivery transactions 10 include an update transaction that allows that allows the client device to obtain a provisioning update comprising a list of services that should be installed on the client device.

7. A computer protocol as recited in claim 6, wherein the delivery transactions 15 include a notification transaction that allows the provisioning server to request the client device to perform an update transaction.

8. A computer protocol as recited in claim 7, wherein the delivery transactions 20 include a delivery transaction that allows the client device to download data related to a service.

9. A method for provisioning services between a client device and a provisioning server, comprising the operations of:

providing discovery transactions that allow the client device to retrieve information
5 regarding services available to the client device from a provisioning server, wherein a service comprises a plurality of content files capable of being installed on the client device.

affording subscription transactions that allow the client device to manage content in service directories, wherein a service directory comprises a plurality of services; and

10 providing delivery transactions that allow the client device to download data related to services.

10. A method as recited in claim 9, wherein the discovery transactions includes a service discovery transaction that allows the client device to obtain information
15 regarding a particular service.

11. A method as recited in claim 10, wherein the discovery transactions include a service directory discovery transaction that allows the client device to obtain information regarding a particular service directory.

12. A method as recited in claim 9, wherein the subscription transactions include a service subscription transaction that allows a service to be added to a service directory.

5 13. A method as recited in claim 12, wherein the subscription transactions include an unsubscribe transaction that allows a service to be removed from a service directory.

14. A method as recited in claim 9, wherein the delivery transactions include
10 an update transaction that allows the client device to obtain a provisioning update comprising a list of services that should be installed on the client device.

15. A method as recited in claim 14, wherein the delivery transactions include
15 a notification transaction that allows the provisioning server to request the client device to perform an update transaction.

16. A method as recited in claim 15, wherein the delivery transactions include
a delivery transaction that allows the client device to download data related to a service.

20 17. A system for provisioning services, comprising:

a provisioning server; and

a client device in communication with the provisioning server via a provisioning protocol, the provisioning protocol comprising:

discovery transactions that allow the client device to retrieve information
5 regarding services available to the client device from a provisioning server,
wherein a service comprises a plurality of content files capable of being installed
on the client device.

subscription transactions that allow the client device to manage content in
service directories, wherein a service directory comprises a plurality of services;

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delivery transactions that allow the client device to download data related
to services.

18. A system as recited in claim 17, wherein the discovery transactions include

15 a service discovery transaction that allows the client device to obtain information
regarding a particular service, and wherein the discovery transactions further include a
service directory discovery transaction that allows the client device to obtain information
regarding a particular service directory.

20 19. A system as recited in claim 17, wherein the subscription transactions
include a service subscription transaction that allows a service to be added to a service

directory, and wherein the subscription transactions further include an unsubscribe transaction that allows a service to be removed from a service directory.

20. A system as recited in claim 17, wherein the delivery transactions include

- 5 an update transaction that allows the client device to obtain a provisioning update comprising a list of services that should be installed on the client device, the delivery transactions further including a notification transaction that allows the provisioning server to request the client device to perform an update transaction, and wherein the delivery transactions further include a delivery transaction that allows the client device to
- 10 download data related to a service.